

Installation Guide for NYSDOT's Bentley CONNECT 10.10 CADD Workspace

The NYSDOT CADD resources and settings are available for download from the [CADD Resources and Settings Files](#) page on NYSDOT's public website. The resources and settings, also referred to as a CADD workspace, are used to incorporate NYSDOT's custom CADD standards into the configurations of Bentley CONNECT applications (e.g. MicroStation CE, OpenRoads Designer, OpenBridge Modeler).

The following steps are provided as a guide for consultants doing business with NYSDOT to install this workspace into their existing CADD environment for Bentley version 10.10 software. It is not recommended to use this workspace with software that does not align with the schema version. For example, do not use a version 10.9 software with a 10.10 workspace.

Step 1) Download the settings files:

Due to the overall folder size of the CONNECT workspace, it was necessary to split the download into **three** separate compressed files.

These files can be divided into two categories: A) Civil Standards, and B) Workspace

Click the individual links to download these files into a common folder.

MicroStation CONNECT, OpenRoads Designer, OpenBridge Modeler/Designer Resources and Settings

The following 3 files need to be downloaded in order to install the complete set of NYSDOT CONNECT CADD Standards. Refer to the document linked below for installation instructions.

A. Civil Standards:

- Resources_Settings_CONNECT_Civil_Standards_1-0-13.exe
- Resources_Settings_CONNECT_Civil_Standards_1-0-13.7z.001

B. Workspace:

- Resources_settings_CONNECT_Workspaces_1-0-13.zip

[Updates to CONNECT CADD Resources and Settings Files](#) 

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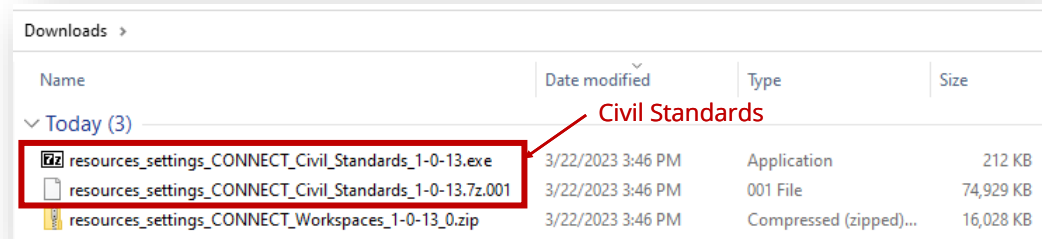
Step 2) Extract the **Civil Standards** files to your organization's CADD environment:

The NYSDOT Civil Standards, which represent the bulk of the CADD settings, are contained in the *.exe and *.7z.001 files.

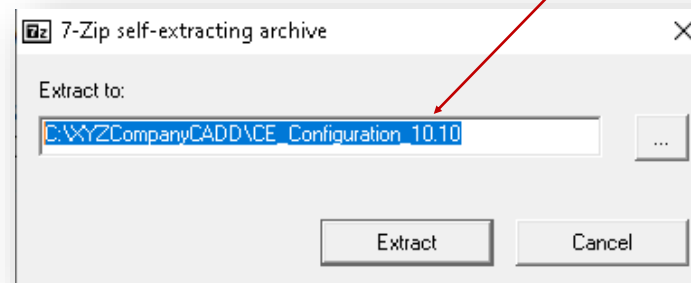
These files will be extracted simultaneously by running the resources_settings_CONNECT_Civil_Standards_*.exe file. ****Important**** - These files need to reside in the same folder location prior to extracting. Also, some security policies may prevent the .exe file from running in the "Downloads" folder.

Option A: For organizations that have a custom CADD environment, open the *.exe file and browse to (or copy/paste) the folder path specified by the "USTN_CUSTOM_CONFIGURATION" variable in your organization's CONNECT configuration, then click Extract.

Option B: For organizations that do not employ a custom CADD environment, and utilize Bentley's "delivered" configuration, open the *.exe file and browse to (or copy/paste) the default folder path defined by the "USTN_CONFIGURATION" variable. These paths are noted below.



Example
"USTN_CUSTOM_CONFIGURATION"
variable folder path in a
customized CADD environment.



Default folder path for "USTN_CONFIGURATION" variable:

MicroStation CE: C:\ProgramData\Bentley\MicroStation CONNECT Edition\Configuration

OpenRoads Designer 10.10: C:\ProgramData\Bentley\OpenRoads Designer CE 10.10\Configuration

OpenBridge Modeler 10.10.20: C:\ProgramData\Bentley\OpenBridge Modeler CE 10.10.20\Configuration



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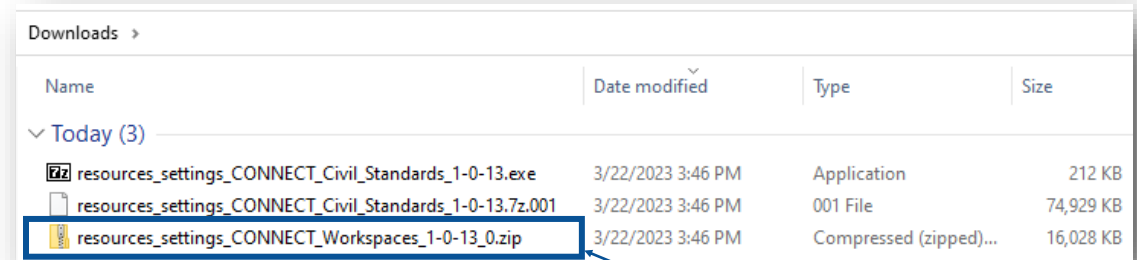
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Step 3) Extract the **WorkSpace** files to your organization's CADD environment:

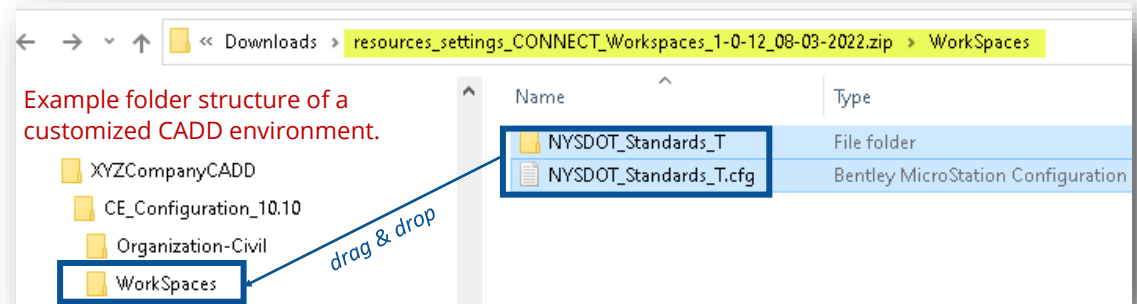
The NYSDOT WorkSpace files are contained in the "resources_settings_CONNECT_Workspaces_*.zip" file.

Option A: For organizations that have a custom CADD environment, open the zip file and browse into the "WorkSpaces" folder. Drag and drop the contents from this zip file folder into the WorkSpaces folder defined by the "USTN_WORKSPACESROOT" variable in your organization's CONNECT configuration.

Option B: For organizations that do not employ a custom CADD environment, and utilize Bentley's "delivered" workspace, open the zip file and browse into the "WorkSpaces" folder. Drag and drop the contents from this zip file folder into the WorkSpaces folder defined by the Bentley default "USTN_WORKSPACESROOT" variable. The folder paths for this default variable are noted below.



WorkSpace files



Default location for WorkSpaces folder (ie. "USTN_WORKSPACESROOT"):

MicroStation CE: C:\ProgramData\Bentley\MicroStation CONNECT Edition\Configuration\WorkSpaces

OpenRoads Designer 10.10: C:\ProgramData\Bentley\OpenRoads Designer CE 10.10\Configuration\WorkSpaces

OpenBridge Modeler 10.10.20: C:\ProgramData\Bentley\OpenBridge Modeler CE 10.10.20\Configuration\WorkSpaces



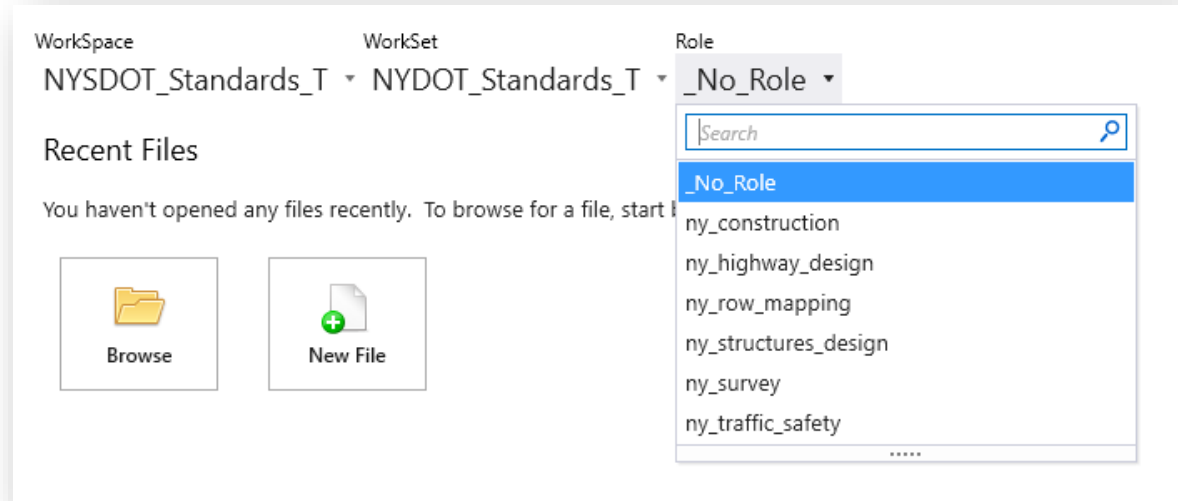
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Step 4) Launch the applications to confirm NYSDOT workspace options are present:

Once the NYSDOT workspace has been installed, launch the associated application to confirm the NYSDOT options are available in the splash screen drop-down menus.

In the WorkSpace drop-down menu, you should see "NYSDOT_Standards_T" as an option. When selected, the WorkSet menu will display "NYDOT_Standards_T", and a "Roles" menu will appear.



Prior to opening a NYSDOT project design file, the user must select the NYSDOT_Standards_T **WorkSpace**. The configuration for this WorkSpace controls the loading of NYSDOT's **Civil Standards** installed in Step 2.

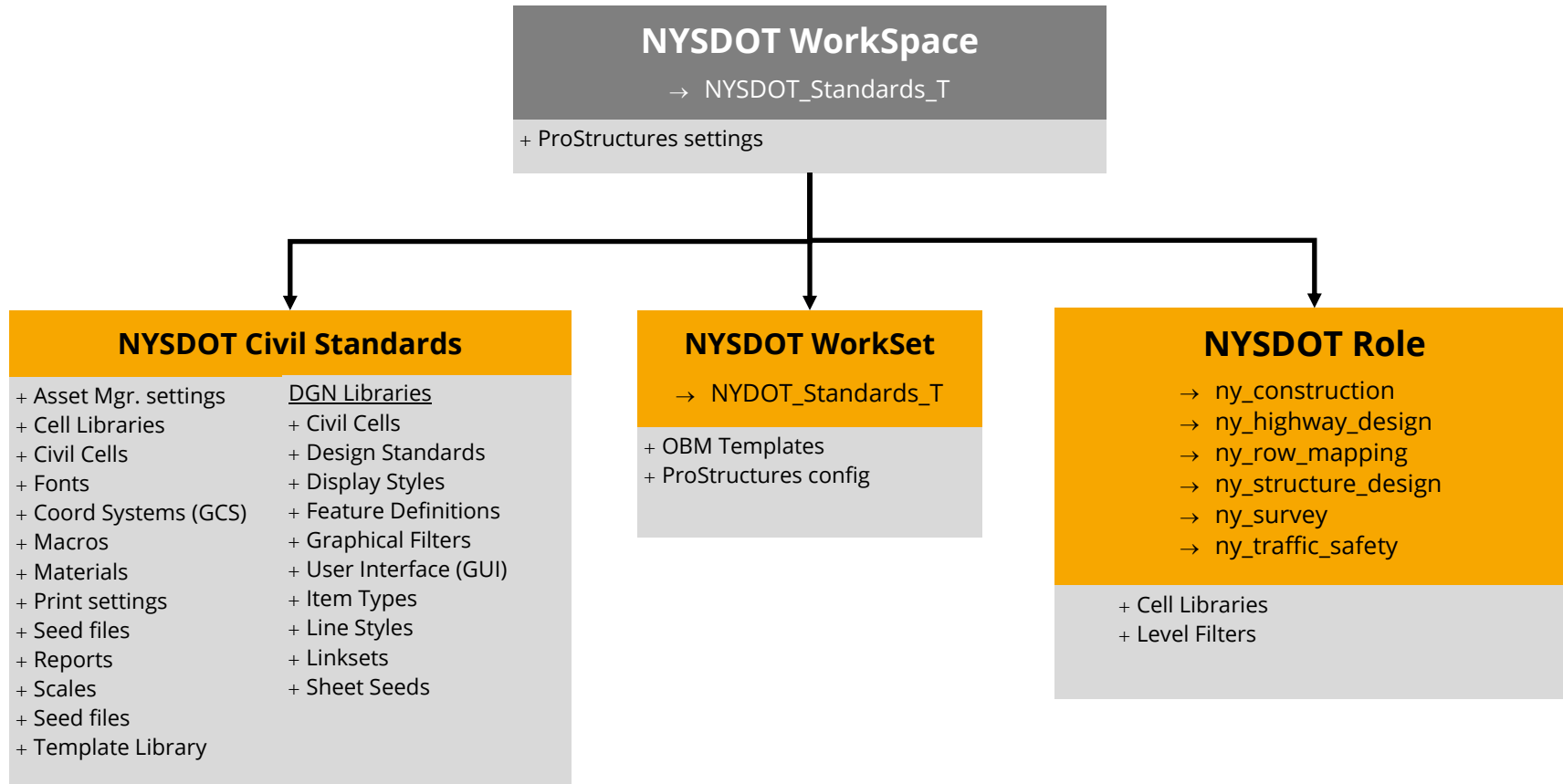
The NYDOT_Standards_T **WorkSet** will be initially populated in the WorkSet field. This is provided to consultants as a template for project specific resources and settings. A new WorkSet can be created as necessary for separate projects.

The **Role** field provides additional discipline specific settings that are layered on top of the Civil Standards, WorkSpace and WorkSet settings.

Refer to the diagrams on the following page for additional information on which resources and settings are contained in each of these workspace components.

NYSDOT Workspace Download at a Glance

The following diagram identifies which resources and settings are contained within each major component of the NYSDOT workspace.



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CADD Management Online Resources

Workspace and Standards Development

This site contains a series of OpenRoads Designer Administrator Configuration Training modules that provide best practices and steps for configuring the OpenRoads Designer software to meet the needs of any company that is adopting the software.

https://communities.bentley.com/products/road__site_design/wiki/63423/workspace-and-standards-development-for-openroads-designer

Workspace and Standards Development for OpenRoads Designer

Product(s):	OpenRoads Designer, OpenRail Designer, OpenSite Designer
Version(s):	10.10+
Area:	Workspace, Standards

Purpose:

Below is a series of OpenRoads Designer Administrator Configuration Training modules that provide best practices and steps for configuring the OpenRoads Designer software to meet the needs of any company/agency that is adopting the software. These modules consist of informational and procedural videos that guide CAD Administrators through the process of configuring the OpenRoads Designer software from scratch (but will also include how to incorporate any existing CAD standards in the configuration). The material is organized such that the CAD Administrators can select which OpenRoads Designer disciplines to configure based on their needs (Road Design, Site Design, Survey, Drainage, etc.).

Topic Links:

01 - Folder Structure and Seed File Creation	08 - Materials	15 - Superelevation Features	22 - Sheet Seed Definitions
02 - Custom Line Styles	09 - Display Styles	16 - Surface Template Features	23 - Automated Annotation
03 - Levels	10 - Intro. to Feature Symbolologies	17 - Linear Features	24 - Civil Labeler Configuration
04 - Element Templates	11 - Intro. to Feature Definitions	18 - Point Features	
05 - Fonts and Text Styles	12 - Alignment Features	19 - Mesh Features	
06 - Cells	13 - Terrain Features	20 - Template Library Configuration	

Workspace Development Overview

The videos at this link explain how to use Bentley's delivered WorkSpace, incorporate agency standards, and extend all of this with your company and project standards.

https://www.youtube.com/playlist?list=PLnJUnxLwu_N6FEbAp3_fRGKzsVHsluwnU

01 Workspace Development Overview

Bentley OpenRoads • 1.3K views • 1 year ago

17:16

02 Demonstration of Workspace Setup

Bentley OpenRoads • 3.1K views • 1 year ago

13:31